

PLEASE NOTE:  
YOU MUST  
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FOLLOWING

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747  
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

Attorney Docket No.

0941-0187P

## COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

RECEIVER AND TRANSMITTER IN A TRANSMISSION SYSTEM

Fill in Appropriate  
Information -  
For Use Without  
Specification  
Attached:

the specification of which is attached hereto. If not attached hereto,  
the specification was filed on \_\_\_\_\_ as  
United States Application Number \_\_\_\_\_;  
and amended on \_\_\_\_\_ (if applicable) and/or  
the specification was filed on \_\_\_\_\_ as PCT  
International Application Number \_\_\_\_\_; and was  
amended under PCT Article 19 on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Insert Priority  
Information:  
(if appropriate)

Prior Foreign Application(s)

Priority Claimed

89108589  
(Number)

Taiwan, R.O.C.  
(Country)

05/05/2000  
(Month/Day/Year Filed)

☒ ☐  
Yes No

(Number)

(Country)

(Month/Day/Year Filed)

☐ ☐  
Yes No

(Number)

(Country)

(Month/Day/Year Filed)

☐ ☐  
Yes No

(Number)

(Country)

(Month/Day/Year Filed)

☐ ☐  
Yes No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional  
Application(s):  
(if any)

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Country

Application Number

Date of Filing (Month/Day/Year)

Insert Requested  
Information:  
(if appropriate)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.  
Application(s):  
(if any)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

Raymond C. Stewart  
Joseph A. Kolasch  
Bernard L. Sweeney  
Charles Gorenstein  
Leonard R. Svensson  
Andrew D. Meikle  
Joe McKinney Muncy  
John W. Bailey  
Gary D. Yacura

(Reg. No. 21,066)  
(Reg. No. 22,463)  
(Reg. No. 24,448)  
(Reg. No. 29,271)  
(Reg. No. 30,330)  
(Reg. No. 32,868)  
(Reg. No. 32,334)  
(Reg. No. 32,881)  
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(Reg. No. 28,380)  
(Reg. No. 29,680)  
(Reg. No. 28,977)  
(Reg. No. 32,644)  
(Reg. No. 32,181)  
(Reg. No. 34,313)  
(Reg. No. 35,094)

Send Correspondence to:

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

or

**Customer No. 2292**

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PLEASE NOTE:  
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First  
or Sole Inventor:  
Insert Name of  
Inventor  
Date This  
Document is Signed

Residence  
City, State & Country  
Citizenship

Post Office  
Address

Full Name of Second  
Inventor, if any:  
see above

Full Name of Third  
Inventor, if any:  
see above

Full Name of Fourth  
Inventor, if any:  
see above

Full Name of Fifth  
Inventor, if any:  
see above

GIVEN NAME/FAMILY NAME Hong-Yi HUANG (family name: HUANG)		INVENTOR'S SIGNATURE <i>Hong-Yi Huang</i>	DATE* Oct. 19, 2000
Residence (City, State & Country) Taipei, Taiwan, R.O.C.		CITIZENSHIP Taiwan, R.O.C.	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country) No. 207, Hu-Lin St., Hsin-Yi District, Taipei, Taiwan, R.O.C.			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			

\*DATE OF SIGNATURE

# RECORDATION FORM COVER SHEET

To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

JC930 U.S. PTO  
09/708435  
11/09/00

1. Name of conveying party(ies):

HUANG, Hong-Yi

Additional name(s) of conveying party(ies) attached?

☐ YES ☒ NO

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other:

Date: October 19, 2000

2. Name and address of receiving party(ies)

Name: Industrial Technology Research Institute

Internal Address:

Street Address: 195 Chung Hsing Rd., Sec. 4, Chutung,  
Hsinchu

City: Taiwan

State:

ZIP:

Country: Republic of China

Postal Code:

Additional name(s) & address(es) attached? ☐ YES ☒ NO

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

October 19, 2000

A. Patent Application No(s).

New

B. Patent No.(s).

Additional numbers attached? ☐ YES ☒ NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total No. of applications/patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed

☒ Authorized to be charged to deposit account,  
if no fee attached.

8. Deposit account number: 02-2448

(Attach triplicate copy of this page  
if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Joe McKinney Muncy, #32,334

Name of Person Signing/Reg. No.

*Joe McKinney Muncy*  
Signature

November 9, 2000

Date

Total number of pages including cover sheet, attachments, and document: Two (2)

KM/djm

11/13/2000 EEKUBAY1 00000084 09708435

04 FC:581

40.00 DP

(Rev. 04/19/2000)

## ASSIGNMENT

WHEREAS, Hong-Yi HUANG  
hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: RECEIVER AND TRANSMITTER IN A TRANSMISSION SYSTEM  
Filed: November 9, 2000 Serial No. New  
Executed on: October 19, 2000

WHEREAS, Industrial Technology Research Institute of 195  
Chung Hsing Rd., Sec. 4, Chutung, Hsinchu, Taiwan, R.O.C.  
hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

✓ Hong-Yi Huang  
Hong-Yi HUANG

✓ Oct. 19, 2000  
Date: